85°50'
33°20'
33°10'
R7E
R8E
R9E
R10E
T19S
T20S
T21S
T22S
T23S
T24N
NORTH
GEOLOGIC MAP
OF A PORTION OF THE
HILLABEE SILL,
TALLADEGA SERIES, AND ASHLAND MICA SCHIST,
ALABAMA
SCALE
GEOLOGY BY ROBERT H. GRIFFIN
GEOLOGY SURVEYED IN 1940, 1941, AND 1946 UNDER
AUSPICES OF THE GEOLOGICAL SURVEY OF ALABAMA
LEGEND
METAIGNEOUS ROCKS
Hs (186) HILLABEE SILL (BORDER PHASE: CHLORITE, BIOTITE ALBITE HORNBLENDITE SCHISTS. CENTRAL PHASE: QUARTZ ALBITE MUSCOVITE SCHISTS, CATACLASTIC "ALBITE QUARTZ PORFITES.")
METASEDIMENTARY ROCKS
Ce ERIN SLATE MEMBER (CARBONACEOUS AND GRAPHITIC SLATES, PHYLLITES. MAY INCLUDE SOME AREAS OF SLATES-PHYLLITES NOT EQUIVALENT TO TRUE ERIN.)
Ta UNDIFFERENTIATED UPPER TALLADEGA SLATES, PHYLLITES, THIN QUARTZITES.
Tac CHEAHA QUARTZITE MEMBER (CONGLOMERATIC AND ARKOSIC QUARTZITES, QUARTZITES, PHYLLITES.)
As ASHLAND MICA SCHIST (GARNETIFEROUS MUSCOVITE AND BIOTITE SCHISTS. LOCALLY GRAPHITIC) PHYLLITE, MYLONITES; METAIGNEOUS HORNBLENDITE SCHISTS; SILICIC INTRUSIVES.)
DEVONIAN(?) THROUGH PRECAMBRIAN (PROBABLY ALABAMA METAMORPHIC SERIES)
AGE UNKNOWN (PROBABLY PALEOZOIC)
SYMBOLS
BOUNDARY (FORMATION)
BOUNDARY (FORMATION MEMBER)
BOUNDARY (APPROXIMATE AND DIASTAMATIC)
FAULT
BEDDING
STRUCTURAL FORM LINES (CONTOUR INTERVAL 500 FEET)
DIP OF SCHISTOSITY
DIP OF BEDDING
PLUNGE OF ELONGATE PEBBLES
POLICONIC PROJECTION, NORTH AMERICAN DATUM. PLANIMETRIC BASE MODIFIED FROM MAP OF TALLADEGA NATIONAL FOREST (USDA, FOREST SERVICE, 1940); GENERAL HIGHWAY AND TRANSPORTATION MAPS, TALLAPOOSA COUNTY (1937) AND COOSA COUNTY (1937).
TALLADEGA CO.
CLEBURNE CO.
CALHOUN CO.
CHEROKEE CO.
RANDOLPH CO.
CLAY CO.
COOSA CO.
TALLAPOOSA CO.
CHAMBERS CO.
STEWART MILL
HENRY MILL
CHANDLER MOUNTAIN
CHULAFINNEE MOUNTAIN
CHEAHA MOUNTAIN
PINE GROVE
MILLERVILLE
ELIAS
CONCORD
FLATROCK
PYRITON
SPRING HILL
MARVEL CHAPEL
ANTIOCH
HICKORY FLAT
BROWNSBORO
GRAVEL HILL
RATCHET
CHAMBERS SPRING
CLEARMONT GAP
CLEARMONT SPRINGS
CLEARMONT
MATTOX
MATTOX CREEK
PALLADIUM
PALLADIUM SCHOOL
MERRIWETHER
MERRIWETHER SCHOOL
SEFUN SCHOOL
SEFUN
HARRIS
HARRIS CREEK
HARRIS CREEK SCHOOL
HARRIS CREEK CHURCH
HARRIS CREEK CEMETERY